

2002 0407.4

OFFICE OF PLANNING AND RESEARCH

1400 TENTH STREET
SACRAMENTO, CA 95814



DATE: June 21, 1989
TO: Reviewing Agencies
RE: The City of Duarte's NOP for
Duarte General Plan Update
SCH# 89062118

RECEIVED

JUN 26 1987

City of Duarte

Attached for your comment is the City of Duarte's Notice of Preparation of a draft Environmental Impact Report (EIR) for the Duarte General Plan Update project.

Responsible agencies must transmit their concerns and comments on the scope and content of the EIR, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of this notice. We encourage commenting agencies to respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Mr. Steve Sizemore
City of Duarte
1600 Huntington Drive
Duarte, CA 91010

with a copy to the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the review process, call Garrett Ashley at 916/445-0613.

Sincerely,

A handwritten signature in black ink, appearing to read 'David C. Nunenkamp', with a long horizontal stroke extending to the right.

David C. Nunenkamp
Chief
Office of Permit Assistance

Attachments

cc: Steve Sizemore

'S': Sent by Lead 'X': Sent by SCH

☒ Bob Fletcher
Alt Resources Board
1102 Q Street
Sacramento, CA 95814
916/322-8267

☐ Karen Cagle
Dept. of Boating & Waterways
1629 S Street
Sacramento, CA 95814
916/445-6281

☐ Gary L. Holloway
California Coastal Commission
631 Howard Street, 4th Floor
San Francisco, CA 94105
415/543-8555

☐ Terry Maderes
California Energy Commission
1516 Ninth Street, Rm. 200
Sacramento, CA 95814
916/324-3227

☐ Sandy Nernard
Caltrans - Division of Aeronautics
P.O. Box 942874
Sacramento, CA 94274-0001
916/324-1833

☐ George Smith
Caltrans - Planning
P.O. Box 942874
Sacramento, CA 94274-0001
916/445-5570

☒ Dennis O'Byrne
Dept. of Conservation
1416 Ninth Street, Room 1326-2
Sacramento, CA 95814
916/322-5873

☐ Div. of Mines and Geology

☐ Div. of Oil and Gas

☐ Land Resources Protect. Unit

☐ Vasek Cervinka
Dept. of Food and Agriculture
1220 N Street, Room 104
Sacramento, CA 95814
916/322-5227

☒ Douglas Wickizer
Dept. of Forestry
1416 Ninth Street, Room 1516-2
Sacramento, CA 95814
916/322-0128

☐ Robert Steppy
Dept. of General Services
400 P Street, Suite 3460
Sacramento, CA 95814
916/324-0214

☐ Arlene Chance
Dept. of Health
714 P Street, Room 1253
Sacramento, CA 95814
916/323-6111

☐ Sgt. Jim Weddell
California Highway Patrol
Long Range Planning Section
Planning and Analysis Division
2555 First Avenue
Sacramento, CA 95818
916/445-1981

☐ William A. Johnson
Native American Heritage Comm.
915 Capitol Mall, Room 288
Sacramento, CA 95814
916/322-7791

☐ Hans Kreutzberg
Office of Historic Preservation
P.O. Box 942896
Sacramento, CA 94296-0001
916/322-9621

☒ Mike Doyle
Dept. of Parks and Recreation
P.O. Box 942896
Sacramento, CA 94296-0001
916/324-6421

☐ George Herzh
Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
415/557-1375 (8-597)

☐ Anna Leena Bronson
Reclamation Board
1416 Ninth Street Room 204-S
Sacramento, CA 95814
916/322-3740

☐ Norris Milliken
S.F. Bay Conservation & Dev't. Comm.
30 Van Ness Avenue, Room 2011
San Francisco, CA 94102
415/557-3686

☐ Jeannie Blakeslee
Calif. Waste Management Board
1020 Ninth Street, Room 300
Sacramento, CA 95814
916/327-0454

☐ Ted Fukushima
State Lands Commission
1807 - 13th Street
Sacramento, CA 95814
916/322-7813

☒ Nadel Gayon
Dept. of Water Resources
1416 Ninth Street, Room 215-4
Sacramento, CA 95814
916/445-7416

☐ Reed Holderman
State Coastal Conservancy
1330 Broadway, Suite 100
Oakland, CA 94612
415/464-1015

☐ DHS/TSCD:

Department of Transportation District Contacts

☐ Brent Soulla
Caltrans, District 1
1656 Union Street
Eureka, CA 95501
707/443-6320 (8-538)

☐ Michelle Gallagher
Caltrans, District 2
1657 Riverside Drive
Redding, CA 96001
916/225-3259 (8-442)

☐ Brian J. Smith
Caltrans, District 3
703 B Street
Marysville, CA 95901
916/741-4277 (8-457)

☐ Gary Adams
Caltrans, District 4
P.O. Box 7310
San Francisco, CA 94120
415/557-8371 (8-597)

☐ Jerry Laumer
Caltrans, District 5
P.O. Box 8114
San Luis Obispo, CA 93403-8114
805/549-3161 (8-629)

☐ Nathan Smith
Caltrans, District 6
P.O. Box 12616
Fresno, CA 93778
209/488-4088 (8-422)

☒ Jeff Bingham
Caltrans, District 7
120 South Spring Street
Los Angeles, CA 90012
213/620-5335 (8-640)

☐ Richard Malacoff
Caltrans, District 8
247 West Third Street
San Bernardino, CA 92403
714/383-4357 (8-670)

☐ Andy Zellman
Caltrans, District 9
500 South Main Street
Bishop, CA 94314
619/872-0693 (8-627)

☐ Al Johnson
Caltrans, District 10
P.O. Box 2048
Stockton, CA 95201
209/948-7838 (8-423)

☐ Jim Cheshire
Caltrans, District 11
P.O. Box 85406
2829 Juan Street
San Diego, CA 92138-5406
714/237-6755 (8-631)

☐ Al Fisher
Caltrans, District 12
2501 Pullman St.
Santa Ana, CA 92705
714/724-2061

Fish and Game - Regional Offices

☐ A. Naylor, Regional Manager
Department of Fish and Game
601 Locust
Redding, CA 96001
916/225-2300 (8-442)

☐ Jim Messersmith, Regional Manager
Department of Fish & Game
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670
916/555-0922 (8-438)

☐ B. Hunter, Regional Manager
Department of Fish and Game
P.O. Box 47
Yountville, CA 94599
707/944-2011 (8-577)

☐ G. Nokes, Regional Manager
Department of Fish and Game
1234 East Shaw Avenue
Fresno, CA 93710
209/222-3761 (8-421)

☒ Fred A. Worthley, Jr., Reg. Manager
Department of Fish and Game
330 Golden Shore, Suite 50
Long Beach, CA 90802
213/590-5113 (8-635)

☐ Roy E. Mall
Marine Resources Region
330 Golden Shore, Suite 50
Long Beach, CA 90802
213/590-5155 (8-635)

State Water Resources Control Board

☐ Allan Patton
State Water Resources Control Board
Division of Loans & Grants
P.O. Box 944212
Sacramento, CA 94244-2120
916/739-4414

☐ Ed Anton
State Water Resources Control Board
Division of Water Quality
P.O. Box 100
Sacramento, CA 95801
916/445-9352

☐ Dave Berlinger
State Water Resources Control Board
Delta Unit
P.O. Box 2000
Sacramento, CA 95810
916/322-9870

☐ Mike Falkenstein
State Water Resources Control Board
Division of Water Rights
901 P Street
Sacramento, CA 95814
916/324-5636

☐ OTHER:

Regional Water Quality Control Board

☐ NORTH COAST REGION (1)
1440 Quenneville Rd.
Santa Rosa, CA 95401
707/576-2220 (8-590)

☐ SAN FRANCISCO BAY REGION (2)
1111 Jackson Street, Room 6000
Oakland, CA 94607
415/464-1255 (8-561)

☐ CENTRAL COAST REGION (3)
1102-A Laurel Lane
San Luis Obispo, CA 93401
805/549-3147 (8-629)

☒ LOS ANGELES REGION (4)
107 South Broadway, Room 4027
Los Angeles, CA 90012
213/620-4460 (8-640)

☐ CENTRAL VALLEY REGION (5)
3443 Roubier Road, Suite A
Sacramento, CA 95827-3098
916/361-3600

☐ Fresno Branch Office
3374 East Shields Avenue, Room 18
Fresno, CA 93726
209/445-5116 (8-421)

☐ Redding Branch Office
100 East Cypress Avenue
Redding, CA 96002
916/225-2045 (8-442)

☐ LA MOUNTAIN REGION (6)
2092 Lake Tahoe Boulevard
P.O. Box 9428
South Lake Tahoe, CA 95731
916/544-3481

☐ Victorville Branch Office
15371 Romanza Road
Victorville, CA 92392-2494
619/241-6583

☐ COLORADO RIVER BASIN REGION (7)
73-271 Highway 111, Suite 21
Palm Desert, CA 92260
619/346-7491

☐ SANTA ANA REGION (8)
6809 Indiana Avenue, Suite 200
Riverside, CA 92506
714/782-4130 (8-632)

☐ SAN DIEGO REGION (9)
9771 Clairemont Mesa Blvd., Suite B
San Diego, CA 92124-1331
619/265-5114 (8-636)

☒ APCWAQMD: South Coast

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JUL 05 1989

City of Duarte

Southern California Edison Company

P. O. BOX 2300

MONROVIA, CALIFORNIA 91016

JENNETTA HARRIS
AREA MANAGER

TELEPHONE
(818) 303-8460

June 30, 1989

Mr. Steve Sizemore
City of Duarte
Community Development Department
1600 Huntington Drive
Duarte, CA 91010

RE: City of Duarte Environmental
Impact Report General Plan Update

Dear Steve:

After reviewing the subject draft, we found no significant impact on the Edison Company.

The subject area is located within our service territory and the associated electrical load growth is within the parameters of the overall projected load growth which we are planning to meet in this area.

Unless the demand for electrical generating capacity exceeds our estimates, and provided that there are no unexpected outages to major sources of electrical supply we expect to meet our electrical requirements for the next several years.

Sincerely,

Jennetta Harris



California-American Water Company

Los Angeles Division

2020 Huntington Drive • San Marino, California 91108-2022 • Phone (818) 289-7821

June 27, 1989

RECEIVED
JUN 28 1989
City of Duarte

City of Duarte
1600 Huntington Drive
Duarte, California 91010

Attention: Mr. Steve Sizemore

RE: EIR Report, City of Duarte

Dear Mr. Sizemore:

This is to advise that California-American Water Company will supply water service, without exception, to the City of Duarte. However, arrangements will have to be made for the installation of water mains and appurtenances.

To provide adequate water flows for fire protection as required by the Los Angeles County Fire Protection District, and the City of Duarte Fire Department, the exact size and length of main to be installed will have to be determined by a qualified Hydraulics Engineer (by others than the Water Company).

Water service will be furnished to the City by California-American Water Company upon completion of satisfactory financial arrangements with the City, under its rules and regulations as filed with the Public Utilities Commission of the State of California, General Order No. 103. Water quality meets all requirements of the California State and County Health Departments.

Very truly yours,

Ethel S. Young
Engineer

ESY:rb



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director
CECIL E. BUGH, Chief Deputy Director
MAS NAGAMI, Assistant Director

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JUL 06 1989

City of Duarte

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

July 3, 1989

IN REPLY PLEASE
REFER TO FILE:

P-6

Mr. Steve Sizemore
Senior Planner
City of Duarte
1600 Huntington Drive
Duarte, CA 91010

Dear Mr. Sizemore:

RESPONSE TO AN INITIAL STUDY FOR THE CITY OF DUARTE GENERAL PLAN UPDATE

Thank you for the opportunity to provide comments on the Initial Study for the City of Duarte General Plan Update. We have reviewed the Initial Study and offer the following comments:

We do not have any storm drain study projects currently under study in the project area. However, the City of Duarte has identified several flooding problems within the project area. Enclosed is a map showing the drainage needs. The redevelopment agency should consider including measures to accommodate these drainage needs as part of their redevelopment plan.

If you have any questions regarding these comments, please contact Mr. Richard Yribe at (818) 458-4312.

If you have any questions regarding the environmental reviewing process of this Department, please contact Ms. Clarice Nash at the above address or at (818) 458-4359.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

Carl L. Blum

CARL L. BLUM
Assistant Deputy Director
Planning Division

RVA:mz/195

Enc.



SHERMAN BLOCK, SHERIFF

County of Los Angeles

Office of the Sheriff

Hall of Justice

Los Angeles, California 90012
(818) 285-7171



July 6, 1989

Mr. Steve Sizemore
Community Development Department
City of Duarte
1600 Huntington Drive
Duarte, California 91010

Dear Mr. Sizemore:

My staff reviewed the improvement project as submitted and report the following:

Item #13 - Transportation/Circulation

With any increase in development there is an increase in traffic flow. However, the existing major arterial streets appear adequate to absorb the added volume and allow traffic dispersion.

Item #14 - Public Services

Any increase in development will generate added calls for service. A review of service needs would occur only after the area is developed and statistical information becomes available.

I hope this information is useful in the preparation of the project's E.I.R.

Sincerely,

SHERMAN BLOCK, SHERIFF

A handwritten signature in cursive script, reading "Richard N. Walls".

Richard N. Walls, Captain
Commander, Temple Station

DEPARTMENT OF TRANSPORTATION

DISTRICT 7, 120 SO. SPRING ST.
LOS ANGELES, CA 90012
DD (213) 620-3550
(213) 620-2376

July 10, 1989

IGR/CEQA
City of Duarte NOP
General Plan Update
SCH #89062118

Mr. Steve Sizemore
City of Duarte
1600 Huntington Drive
Duarte, CA 91010

Dear Mr. Sizemore:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review for the above-referenced project. We are primarily concerned with the potential impacts to SR 210 (Foothill Fwy.) and SR 605 (San Gabriel River Fwy.) which may result from this update. Items which should be covered include:

- a) Trip generation, distribution including the method used to develop the percentages and assignment.
- b) ADT, AM and PM peak hour volumes for both existing and future, for SR 210, SR 605.
- c) Analyze future conditions with project traffic and the cumulative traffic generated for all approved developments in the area.
- d) Any mitigation proposed should be fully discussed in the document. Those discussions should include, but not be limited to, the following:
 - * financing
 - * scheduling considerations
 - * implementation responsibilities
 - * monitoring

Mr. Sizemore

-2-

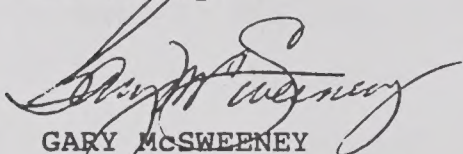
July 10, 1989

We look forward to reviewing the DEIR. We expect to receive a copy from the State Clearinghouse. However, to expedite the review process, you may send two copies in advance to the undersigned at the following address:

Gary McSweeney
District 7 IGR/CEQA Coordinator
Transportation Planning and
Analysis Branch
120 So. Spring Street
Los Angeles, CA 90012

Thank you for this opportunity to comment. If you have any comments regarding these comments, contact Gary McSweeney at (213) 620-2376.

Sincerely,

A handwritten signature in dark ink, appearing to read "Gary McSweeney", is written over the typed name and title.

GARY MCSWEENEY
IGR/CEQA Coordinator
Transportation Planning and
Analysis Branch

cc: State Clearinghouse.

STATIONARY EMISSIONS TEMPLATE

This template calculates the stationary emissions for five major types of pollutants: carbon monoxide, nitrogen oxide, hydrocarbons (reactive organic gases), total suspended particulates, sulfur dioxides.

The user must input utilities consumption for electrical and natural gas. The table converts annual and monthly consumption rates to daily stationary emissions.

INPUT THE FOLLOWING DATA:

7740001 Project Number
Duarte General Plan Project Name

Proposed Land Use Plan

277,332,522 Project Electrical Consumption (kWh/year)

63,413,157 Project Natural Gas Consumption (cu. ft./mo.)

Other

0 Project Electrical Consumption (kWh/year)

0 Project Natural Gas Consumption (cu.ft./month)

Project Component	Emissions Source	Pollutant Emissions in Pounds Per Day				
		NOX Nitrogen Oxides	CO Carbon Monoxides	ROG Hydro-carbons	TSP Suspend. Part.	SOX Sulfur Dioxide
Proposed	Electrical	873.8	152.0	7.6	30.4	91.2
	Natural Gas	250.2	41.7	11.0	0.3	0.0
	Electrical	0.0	0.0	0.0	0.0	0.0
	Natural Gas	0.0	0.0	0.0	0.0	0.0
Subtotal	Electrical	873.8	152.0	7.6	30.4	91.2
	Natural Gas	250.2	41.7	11.0	0.3	0.0
Total Daily Emissions		1124.0	193.7	18.6	30.7	91.2

Project Component	Emissions Source	Pollutant Emissions in Pounds Per Year				
		NOX Nitrogen Oxides	CO Carbon Monoxides	ROG Hydro-carbons	TSP Suspend. Part.	SOX Sulfur Dioxide
Proposed	Electrical	318,932	55,467	2,773	0	11,093
	Natural Gas	91,315	15,219	4,033	114	0
Other	Electrical	0	0	0	0	0
	Natural Gas	0	0	0	0	0
Subtotal	Electrical	318,932	55,467	2,773	0	11,093
	Natural Gas	91,315	15,219	4,033	114	0
Total Annual Emissions		410,247	70,686	6,806	114	11,093

Project Name : DWARTE

Date : 07-04-1989

Analysis Year = 2000

Temperature = 75

EMFAC7 VERSION : EMFAC7C ... 1/4/87

Unit Type	Trip Rate	Size	Tot Trips	Days Op.
Single Family Housing	10.0/Unit	10663	106630	
General Commercial	71.0/1000 Sqf	1738044	123401100	1
Neighborhood Commercial	117.0/1000 Sqf	196020	22934340	1
Administrative Prof.	22.7/1000 Sqf	172240	3909848	1
Public/Quasi Public	68.9/1000 Sqf	1655280	114048800	1
Industrial	5.5/1000 Sqf	2286900	12577950	1
Hospital	175.5/1000 Sqf	1415473	248415500	1

	Residential			Commercial	
	Home-Work	Home-Shop	Home-Other	Work	Non-Work
Trip Length	8.8	3.2	5.2	8.1	5.5
% Started Cold	88.3	40.2	58.3	77.4	27.2
Trip Speed	35	35	35	35	35
Percent Trip	27.3	21.2	51.5		

Vehicle Fleetmix

Vehicle Type	Percent Type	Leaded	Unleaded	Diesel
Light Duty Autos	72.8	1.5	95.9	2.6
Light Duty Trucks	14.3	2.4	94.9	2.8
Medium Duty Trucks	4.3	5.9	94.2	0.0
Heavy Duty Trucks	3.9	33.3	66.7	N/A
Heavy Duty Trucks	3.9	N/A	N/A	100.0
Motorcycles	0.9	100.0	N/A	N/A

Project Emissions Report in Lb/Day

Unit Type	TOG	CO	NOX
Single Family Housing	1234.5	11016.8	2018.9
General Commercial	1163504.0	10148830.0	2194279.0
Neighborhood Commercial	216239.5	1886180.0	407811.0
Administrative Prof.	43597.5	390879.4	79723.7
Public/Quasi Public	1122936.0	9869887.0	2100108.0
Industrial	150098.0	1358825.0	271385.8
Hospital	2640371.0	23500160.0	4868929.0

Project Name : duarte

Date : 07-24-1989

Analysis Year = 2000

Temperature = 75

EMFAC7 VERSION : EMFAC7C ... 1/4/87

Unit Type	Trip Rate	Size	Tot Trips	Days Op.
Single Family Housing	10.0/Unit	6959	69590	
General Commercial	71.0/1000 Sqf	1875258	133143300	1
Public/QuasiPublic	68.9/1000 Sqf	1611720	111047500	1
Industrial	5.5/1000 Sqf	1742400	9583200	1
Hospital	175.5/1000 Sqf	1059597	185959300	1

	Residential			Commercial	
	Home-Work	Home-Shop	Home-Other	Work	Non-Work
Trip Length	8.8	3.2	5.2	8.1	5.5
% Started Cold	88.3	40.2	58.3	77.4	27.2
Trip Speed	35	35	35	35	35
Percent Trip	27.3	21.2	51.5		

Vehicle Fleetmix

Vehicle Type	Percent Type	Leaded	Unleaded	Diesel
Light Duty Autos	72.8	1.5	95.9	2.6
Light Duty Trucks	14.3	2.4	94.9	2.8
Medium Duty Trucks	4.3	5.9	94.2	0.0
Heavy Duty Trucks	3.9	33.3	66.7	N/A
Heavy Duty Trucks	3.9	N/A	N/A	100.0
Motorcycles	0.9	100.0	N/A	N/A

Project Emissions Report in Lb/Day

Unit Type	TOG	CO	NOX
Single Family Housing	805.6	7189.9	1317.6
General Commercial	1255360.0	10950060.0	2367511.0
Public/QuasiPublic	1093385.0	9610153.0	2044842.0
Industrial	114360.4	1035295.0	206770.2
Hospital	1976533.0	17591780.0	3644791.0

Project No.: 7740001
 Project Name: Duarte General Plan
 Recommended Plan

TABLE 1
 ELECTRICAL CONSUMPTION PROJECTION

Land Use	Factor/Units	# of Units	kWh/Unit	kWh/yr
Residential	unit	10,387	4,869	50,574,303
Neighbor.Comm	square feet	196,020	15.3	2,999,106
Gen.Comm	square feet	1,570,338	15.3	24,026,171
Industrial	square feet	2,286,900	50.1	114,573,690
Hospital	square feet	1,415,473	25.5	36,094,562
Pub.Quasi Pub.	square feet	1,655,280	25.5	42,209,640
Admin.Prof.	square feet	172,240	17.1	2,945,304
Total Electrical Consumption				273,422,776

LADWP Electricity Sales Breakdown by End Use 1990 (for 1990)
 Form E-3.2
 Air Quality Handbook for Preparing Environmental
 Impact Reports. Revised April 1987. SCAQMD (residential factors)

TABLE 2
 NATURAL GAS CONSUMPTION PROJECTION

Land Use	Factor/Units	# of Units	Cu Ft/Unit	Cu Ft/Mo
Residential	unit	10,387	4.105	42,638,635
Neighbor.Comm	square feet	196,020	2.9	568,458
Gen.Comm	square feet	1,570,338	2.9	4,553,980
Industrial	square feet	2,286,900	3.3	7,546,770
Hospital	square feet	1,415,473	2.0	2,830,946
Pub.Quasi Pub.	square feet	1,655,280	2.0	3,310,560
Admin.Prof.	square feet	172,240	2.0	344,480
Total Natural Gas Consumption				61,793,829

Air Quality Handbook for preparing Environmental Impact
 Reports. Revised April 1987. SCAQMD

4/11/81
SOLID WASTE GENERATION PROJECTION

Land Use	Factor/Units	# of Units	Lbs/Unit	Lbs/Day
Residential	unit	10,387	25.0	259,675
Neighbor. Comm	square feet	196,020	5.0	980
Gen. Comm	square feet	1,570,338	5.0	7,852
Industrial	square feet	2,286,900	6.0	13,721
Hospital	square feet	1,415,473	6.0	8,493
Pub. Quasi Pub.	square feet	1,655,280	6.0	9,932
Admin. Prof.	square feet	172,240	5.0	861
Total Solid Waste Generation				301,514

Average Solid Waste Generation Rates. City of
Los Angeles. April 1981

TABLE 4
WATER CONSUMPTION PROJECTIONS

Land Use	Factor/Units	# of Units	Gals/Unit	Gals/Day
Residential	unit	10,387	450	4,674,150
Neighbor. Comm	square feet	196,020	100	19,602
Gen. Comm	square feet	1,570,338	100	157,034
Industrial	square feet	2,286,900	200	457,380
Hospital	square feet	1,415,473	200	283,095
Pub. Quasi Pub.	square feet	1,655,280	200	331,056
Admin. Prof.	square feet	172,240	200	34,448
Total Water Consumption Rates				5,956,764

Forecasting Municipal Water Requirements Vol. I Hittman
Assoc. 1969 (non-residential factors)

TABLE 5
SEWAGE GENERATION PROJECTIONS

Land Use	Factor/Units	# of Units	Gals/SF	Gals/Day
Residential	unit	10,387	250	2,596,750
Neighbor. Comm	square feet	196,020	100	19,602
Gen. Comm	square feet	1,570,338	200	314,068
Industrial	square feet	2,286,900	200	457,380
Hospital	square feet	1,415,473	200	283,095
Pub. Quasi Pub.	square feet	1,655,280	200	331,056
Admin. Prof.	square feet	172,240	200	34,448
Total Sewage Generation				4,036,398

TABLE 1
ELECTRICAL CONSUMPTION PROJECTION
EXISTING LAND USES

Land Use	Factor/Units	# of Units	kWh/Unit	kWh/yr
Residential	unit	6,959	4,869	33,883,371
Commercial	square feet	1,875,258	15.3	28,691,447
Industrial	square feet	1,742,400	50.1	87,294,240
Hospital	square feet	1,059,597	25.5	27,019,724
Pub.Quasi Pub.	square feet	1,611,720	25.5	41,098,860
Total Electrical Consumption				217,987,642

LADWP Electricity Sales Breakdown by End Use 1990 (for 1990)

Form E-3.2

Air Quality Handbook for Preparing Environmental
Impact Reports. Revised April 1987. SCAQMD (residential factors)

TABLE 2
NATURAL GAS CONSUMPTION PROJECTION
EXISTING LAND USES

Land Use	Factor/Units	# of Units	Cu Ft/Unit	Cu Ft/Mo
Residential	unit	6,959	4,105	28,566,695
Commercial	square feet	1,875,258	2.9	5,438,248
Industrial	square feet	1,742,400	3.3	5,749,920
Hospital	square feet	1,059,597	2.0	2,119,194
Pub.Quasi Pub.	square feet	1,611,720	2.0	3,223,440
Total Natural Gas Consumption				45,097,497

Air Quality Handbook for preparing Environmental Impact
Reports. Revised April 1987. SCAQMD

TABLE 3
SOLID WASTE GENERATION PROJECTION
EXISTING LAND USES

Land Use	Factor/Units	# of Units	Lbs/Unit	Lbs/Day
Residential	unit	6,959	25.0	173,975
Commercial	square feet	1,875,258	5.0	9,376
Industrial	square feet	1,742,400	6.0	10,454
Hospital	square feet	1,059,597	6.0	6,358

Pub. Quasi Pub. square feet 1,611,720 6.0 9,670

Total Solid Waste Generation 209,834

Average Solid waste Generation Rates. City of
Los Angeles. April 1981

TABLE 4
WATER CONSUMPTION PROJECTIONS
EXISTING LAND USES

Land Use	Factor/Units	# of Units	Gals/Unit	Gals/Day
Residential	unit	6,959	450	3,131,550
Commercial	square feet	1,875,258	100	187,526
Industrial	square feet	1,742,400	200	348,480
Hospital	square feet	1,059,597	200	211,919
Pub. Quasi Pub.	square feet	1,611,720	200	322,344
Total Water Consumption Rates				4,201,819

Forecasting Municipal Water Requirements Vol. I Hittman
Assoc. 1969 (non-residential factors)

TABLE 5
SEWAGE GENERATION PROJECTIONS
EXISTING LAND USES

Land Use	Factor/Units	# of Units	Gals/SF	Gals/Day
Residential	unit	6,959	250	1,739,750
Commercial	square feet	1,875,258	100	187,526
Industrial	square feet	1,742,400	200	348,480
Hospital	square feet	1,059,597	200	211,919
Pub. Quasi Pub.	square feet	1,611,720	200	322,344
Total Sewage Generation				2,810,019

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